

REMARKS

Claims 1-2, 4-5 and 7-9 have been amended. Claims 10-18 are canceled without prejudice. Claims 1-9 are currently pending. Reexamination and allowance of the pending claims are respectfully requested.

In the Office Action dated August 14, 2006, claims 1-18 are rejected under 35 USC 102(b) as being anticipated by Lee et al., US Patent No. 6,138,025 ("Lee et al."). The rejection is respectfully traversed.

Claim 1

Independent claim 1 has been amended to recite that "repeating the above steps to generate a plurality of fourth registration areas and then to determine a plurality of fifth registration areas and third partition units". In amended claim 1, the registration areas are determined according to dynamic partition units: the second registration areas are constructed based on the mobility data of the first partition units; the fourth registration areas are constructed based on the mobility data of the second partition units, at least one of which is generated by combining at least two of the first partition units or partitioning one of the first partition units. That is, the size and the boundary of the partition unit can be dynamically adjusted during the process of determining the registration areas. Further, at least one of the second partition units is generated by combining at least two of the first partition units when the overall cost of the first registration areas is lower than or equal to the overall cost of the second registration areas, and at least one of the second partition units is generated by partitioning one of the first partition units when the overall cost of the first registration areas is higher than the overall cost of the second registration areas. That is, the size and the boundary of the partition unit can be dynamically adjusted according to the comparison of overall costs of the registration areas. In this way, the situation of "local minimum" can be avoided (please see [0018]~[0019] of the specification of the present application). However, the method for determining registration areas according to dynamic partition units as described in amended claim 1 is not disclosed or suggested by Lee et al. Thus, Lee et al. fails to teach or suggest all of the limitations claimed in amended independent claim 1, so

amended claim 1 is submitted to be in condition for allowance. Claims 2-9 depend from claim 1 and are submitted to be allowable for the same reasons.

Thus, all pending claims are submitted to be in condition for allowance. The Examiner is encouraged to telephone the undersigned if there are informalities that can be resolved in a phone conversation, or if the Examiner has any ideas or suggestions for further advancing the prosecution of this case.

Respectfully Submitted,

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I hereby certify that this paper is being deposited with the Chunghwa Post Co., Ltd as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Date: February 2, 2007 By: Meng-Seng Chen
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